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15 May 1956

**MEMORANDUM FOR: Project Director****SUBJECT: Analysis Equipment for System I**

1. It is understood that there is some uncertainty as to the necessity for provision of System I playback equipment for Barton Hall, in addition to three Systems for the Technical Processing Center.

2. The extent to which the three-channel tape recorder system developed for the Project will be employed by this Project and a number of other activities (including replacement for Freddy, clandestine installations, etc.) will require the development of many different analysis techniques and an ability to evaluate these techniques after experimental application.

3. The experience to date with the present equipment indicates the need for much tighter liaison and more detailed guidance to the collector as to methods of setting up and calibrating equipment if the maximum of intelligence is to be derived for this type of operation.

4. Even though all routine exploitation for intelligence purposes is concentrated in the TPC, there will be a continuing need for technique development and improvement and expansion of this collection system. Therefore, it is believed to be very desirable to have one set of playback equipment for System I installed in Barton Hall.

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ELINT Staff Officer/OSI

RLC: jd;pas

1-Proj. Dir.

4- [ ]

6-Reading

7-Chreno

2-Reber

3-Contract, Offr.

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